

Water-Data Report 2008

01382170 PEQUANNOCK RIVER AT STATE ROUTE 23, NEAR OAK RIDGE, NJ

PASSAIC RIVER BASIN

LOCATION.--Lat 41°04'40", long 74°29'23" referenced to North American Datum of 1983, West Milford Township, Passaic County, NJ, Hydrologic Unit 02030103, on upstream right abutment of southbound bridge on State Route 23, 0.6 mi upstream of Oak Ridge Reservoir, and 2.2 mi north of Oak Ridge.

DRAINAGE AREA.--19.3 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Miscellaneous measurements, water years 2001-02, 2005. Continuous-record gaging station, May 2008 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 880 ft NAVD 88 (from topographic map).

REMARKS.--Records fair. Flow regulated by Canistear Reservoir (see 01382100) and other small upstream lakes and ponds. Several measurements of water temperature were made during the water year. Satellite gage-height telemetry at station.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	---	26	20	3.7	1.6	1.1
2	---	---	---	---	---	---	---	32	16	3.1	2.4	0.96
3	---	---	---	---	---	---	---	30	13	2.9	9.4	2.2
4	---	---	---	---	---	---	---	37	21	6.4	6.8	2.4
5	---	---	---	---	---	---	---	30	21	7.4	3.7	1.5
6	---	---	---	---	---	---	---	25	16	6.5	38	24
7	---	---	---	---	---	---	---	21	14	5.2	31	96
8	---	---	---	---	---	---	---	19	15	3.9	14	32
9	---	---	---	---	---	---	---	41	14	3.4	7.2	43
10	---	---	---	---	---	---	---	70	12	2.8	4.4	62
11	---	---	---	---	---	---	---	48	23	2.4	19	32
12	---	---	---	---	---	---	---	41	11	2.1	48	20
13	---	---	---	---	---	---	---	28	8.1	2.0	25	25
14	---	---	---	---	---	---	---	22	7.0	3.9	13	20
15	---	---	---	---	---	---	---	21	13	3.4	14	15
16	---	---	---	---	---	---	---	44	9.4	2.3	19	11
17	---	---	---	---	---	---	---	104	7.9	1.8	10	9.3
18	---	---	---	---	---	---	---	80	8.8	1.8	6.4	8.1
19	---	---	---	---	---	---	---	63	18	1.6	4.9	8.7
20	---	---	---	---	---	---	---	53	10	1.4	3.8	8.2
21	---	---	---	---	---	---	---	63	15	1.3	2.9	7.5
22	---	---	---	---	---	---	---	60	10	1.3	2.5	6.4
23	---	---	---	---	---	---	---	49	13	2.0	2.1	5.5
24	---	---	---	---	---	---	---	39	9.4	21	1.8	5.1
25	---	---	---	---	---	---	---	32	7.3	15	1.7	4.6
26	---	---	---	---	---	---	---	27	5.7	6.6	1.6	30
27	---	---	---	---	---	---	---	25	5.0	3.8	1.4	28
28	---	---	---	---	---	---	---	33	4.9	3.0	1.3	26
29	---	---	---	---	---	---	---	20	4.5	2.3	1.1	38
30	---	---	---	---	---	---	---	18	4.0	2.0	1.3	26
31	---	---	---	---	---	---	---	16	---	2.0	1.2	---
Total	---	---	---	---	---	---	---	1,217	357.0	128.3	300.5	599.56
Mean	---	---	---	---	---	---	---	39.3	11.9	4.14	9.69	20.0
Max	---	---	---	---	---	---	---	104	23	21	48	96
Min	---	---	---	---	---	---	---	16	4.0	1.3	1.1	0.96

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2008 - 2008, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	---	---	---	---	---	---	---	39.3	11.9	4.14	9.69	20.0
Max	---	---	---	---	---	---	---	39.3	11.9	4.14	9.69	20.0
(WY)	(---)	(---)	(---)	(---)	(---)	(---)	(---)	(2008)	(2008)	(2008)	(2008)	(2008)
Min	---	---	---	---	---	---	---	39.3	11.9	4.14	9.69	20.0
(WY)	(---)	(---)	(---)	(---)	(---)	(---)	(---)	(2008)	(2008)	(2008)	(2008)	(2008)

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SUMMARY STATISTICS

	May 1 – Sep 30, 2008		Period of Record	
Highest daily mean	104	May 17	104	May 17, 2008
Lowest daily mean	0.96	Sep 2	0.96	Sep 2, 2008
Maximum peak flow	130	Sep 7	130	Sep 7, 2008
Maximum peak stage	4.90	Sep 7	4.90	Sep 7, 2008
Instantaneous low flow	0.92	Sep 2, 3	^a 0.66	Aug 8, 2001

^a From an instantaneous measurement of discharge.

